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TECH CENTER 1602-2800

a molecule consisting of the nucleotide sequence set forth in FIG. 1 and designated [(]SEQ ID NO:1[)].

9. (Twice Amended) A vaccine comprising an isolated immunologically active molecule [having] comprising an amino acid sequence selected from the group consisting of sequences encoded by [the] a cDNA [of] molecule with a nucleotide sequence shown in FIG. 1 and designated [(]SEQ ID NO:1[)], the sequence shown in [of] FIG.2 and designated [(]SEQ ID NO:2[)], the peptide [peptides] Ala Pro Pro Glu Asp Asn Pro Val Glu Asp [APPEDNPVED] as shown in [(]SEQ ID NO:6[)], the peptide Glu Glu Gln Gln Glu Val Pro Pro Asp Thr [EEQQEVPPDT] as shown in [(]SEQ ID NO:7[)], the peptide Asp Gly Pro Thr Gly Glu Pro Gln Gln Glu[DGPTGEPQQE] as shown in [(]SEQ ID NO:8[)], the peptide Gln Glu Asn Pro Asp Ser Ser Glu Pro Val [QENPDSSEPV] as shown in [(]SEQ ID NO:9[)], [and] any immunologically active fragment [thereof] of at least 6 amino acids in length consisting of a partial sequence of SEQ ID NO:2, and combinations of members of the group. [thereof].

10. (Twice Amended) An isolated molecule consisting [having an] of an amino acid sequence selected from the group consisting of [APPEDNPVED] Ala Pro Pro Glu Asp Asn Pro Val Glu Asp designated [(]SEQ ID NO:6[)], [EEQQEVPPDT] Glu Glu Gln Gln Glu Val Pro Pro Asp Thr designated [(]SEQ ID NO:7[)], [DGPTGEPQQE] Asp Gly Pro Thr Gly Glu Pro Gln Gln Glu designated [(]SEQ ID NO:8[)], and [QENPDSSEPV] Gln Glu Asn Pro Asp Ser Ser Glu Pro Val designated [(]SEQ ID NO:9[)].

11. (Twice Amended) An isolated molecule [with an] consisting of amino acid [sequence comprising the sequence PTGEPQ] residues 3-8 of SEQ. ID NO: 8.

19. (Amended) The isolated molecule of claim 6 further defined as purified.

20. (Amended) An isolated molecule [having the amino acid sequence shown in FIG. 2] consisting of an amino acid sequence designated [(]SEQ ID NO:2[)].

21. A vaccine comprising an immunologically active molecule of claim 10.

## REMARKS

### I. Status of the Claims

Claims 6, 7, 9-11, 19-20 are amended.

Claim 21 is added